

1 **ABSTRACT**

2 The described subject matter automatically detects the boundaries of
3 multiple objects in digital image data such as scanned image data. To accomplish
4 this, a background color such as a scanner lid background color is detected. An
5 edge map is generated based on a set of transitions between the determined
6 background color and other colors that correspond to the scanned image data. A
7 set of straight lines, or boundaries that correspond to one or more objects in the
8 image data is determined by analyzing the generated edge map. The straight lines
9 are assigned to respective objects based on a set of rules.